



ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

Permanently Affiliated to JNTUK, Kakinada * Approved by AICTE, New Delhi * Accredited by NAAC

Recognized by UGC Under section 2(f) and 12 (B) of UGC Act 1956

ADB ROAD, ADITYA NAGARA, SURAMPALEM-533437

Department of Computer Science and Engineering

Date: 08.11.2019.

To
The Principal
Aditya College of Engineering & Technology
Surampalem

Respected sir,

[Through Head of the Department]

Sub: Request for your approval to organize a certification course on "VISUALISATION TOOLS IN PYTHON" – reg.

It's our greatest pleasure to bring to your kind notice that, we the Department of Computer Science and Engineering would like to train our 2nd year B.Tech students in the **VISUALISATION TOOLS IN PYTHON** adapted initially, with the help of our staff; as the present world is moving over the data visualization and also is a part of the Computer Science and Engineering. It will be more helpful to the students in theoretical and technical point of view. In this regard we are requesting your permission for further proceedings.

Resource Person : G SuryaKala Eswari,
Asst Professor,
CSE Dept ,Pragathi Engineering College

Honorarium : Rs. 8000/-

*forwarded to principal
N. Chilam*

[Signature]
Course Coordinator

[Signature]
PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM- 533 437



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Date: 09.11.2019

CIRCULAR

All the 2nd year students are hereby informed that a one-week program is arranged to enhance the knowledge on **VISUALISATION TOOLS IN PYTHON**, as per the schedule from 9th December, 2019. All interested students can attend the program and utilize the opportunity. The schedule is attached.

Course Coordinator: Mrs SRILATHA PASUMARTI

CSE Department

+919640751983

Head of the Department

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Visualisation Tools in Python Syllabus

1. Introduction to Visualization Tools
2. Basic Visualization Tools
3. Specialized Visualization Tools
4. Advanced Visualization Tools
5. Creating Maps and Visualizing Geospatial Data

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Schedule of Visualisation Tools in Python Syllabus:

Day-1:

- FN Inauguration of the Program and speakers talk about the objectives of the event
- AN Introduction to Visualization Tools. Introduction to Data Visualization
Introduction to Matplotlib

Day-2:

- FN Basic Plotting with Matplotlib. Datasets on Immigration
- AN Line Plots

Day-3:

- FN Basic Visualization Tools : Area Plots
- AN Histograms and Bar Charts

Day-4:

- FN Specialized Visualization Tools: Pie Charts, Box Plots
- AN Scatter Plots, Bubble Plots

Day-5:

- FN Advanced Visualization Tools : Waffle Charts
- AN Word Clouds, Seaborn and Regression Plots

Day-6:

- FN Creating Maps and Visualizing Geospatial Data. Introduction to Folium
- AN Creation of maps

Day-7:

- FN Maps with Markers, Choropleth Maps
- AN Practice of Maps

Day-8:

- FN Practice and doubts clarification.
- AN Valedictory

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